

Amendments to the Specification

Page 1, before BACKGROUND OF THE INVENTION, please add the following paragraph:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority under 35 U.S.C. § 119(e) of U.S. Provisional Application Serial No. 60/390,725, filed June 21, 2002, which application is hereby incorporated by reference in its entirety.

Page 7, line 24, please amend the paragraph as follows:

PBMCs are preferably isolated by gradient separation with a lymphocyte separation medium~~a~~. A suitable lymphocyte separation medium~~a~~ is LSM® mediuma (ICN Biomedicals).

Page 12, line 16, please amend the paragraph as follows:

All pigs were processed 24 hours after birth. Each pig was weighed individually (Mosdal scale model IQ-plus 390-DC) and identified with button ear tags. Each pig was given a ~~one~~4 cc mixture of iron dextran (Durvet, Inc) and penicillin (~~Pfizer~~~~pen~~PFIZERPEN® ~~G~~ penicillin G potassium, Pfizer) and ~~one~~4 cc of gentamicin (~~Gara~~~~cin~~GARACIN® gentamicin, Schering Plough) for scours prevention.

Page 12, line 22, please amend the paragraph as follows:

At weaning time, around 19 days of age, each pig was individually weighed and color tagged. Pigs were transported to a nursery on site II where they were housed for at least seven weeks. Site II comprises the nurseries, and growing-finishing rooms. There were nine nurseries and pigs were penned by sex and weight for seven weeks and were housed equally distributed with other non-experimental pigs of the same age and product genotype. A total of 15 pigs/pen

was targeted. A four-stage nursery program was implemented as well as a rigorous feed budget program. Pigs were vaccinated at 10 and 24 days of age with a *Haemophilus parasuis* (Hps) bacterin (~~Suvaxyn~~SUVAXYN® ~~Respifend~~RESPIFEND® Hps vaccine, Fort Dodge Laboratories).

Page 14, line 13, please amend the paragraph as follows:

In the pre-nursery and nursery diets, 200 g/ton of neomycin sulfate and oxytetracyclin (~~Neo-Terramycin~~NEO-TERRAMYCIN® antibiotic, Pfizer) were used as part of the routine feed additive program.